

DEC 04 2003

Image RCE/2800

REQUEST FOR CONTINUED EXAMINATION (RCE) TRANSMITTAL Address to: Mail Stop RCE Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450	Application Number	10/092,683
	Filing Date	March 6, 2002
	First Named Inventor	Man Hon Cheng
	Group Art Unit	2827
	Examiner Name	James M. Mitchell
	Attorney Docket Number	SC11850HP

This is a Request for Continued Examination (RCE) under 37 C.F.R. § 1.114 of the above-identified application.

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO).

1. Submission required under 37 C.F.R. 1.114 Note: if the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).
 - a. ☐ Previously submitted. If a final Office Action is outstanding, any amendments filed after the final Office Action may be considered as a submission even if this box is not checked.
 - i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____.
 - ii. ☐ Other _____
 - b. ☒ Enclosed
 - i. ☐ Amendment/Reply
 - ii. ☐ Affidavit(s)/Declaration(s)
 - iii. ☒ Information Disclosure Statement (IDS) and copy of cited references
 - iv. ☒ Other (1) Submission and (2) Change of Correspondence Address and Return Postcard
2. ☐ Miscellaneous
 - a. ☐ Suspension of Action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.117(i) required.)
 - b. ☐ Other _____
3. ☒ Fees The RCE fee under 37 C.F.R. 1.117 (e) is required by 37 C.F.R. 1.114 when the RCE is filed.
 - a. ☒ The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No. **502117, Motorola, Inc.**
 - i. ☒ RCE fee required under 37 C.F.R. 1.17(e)
 - ii. ☒ Extension of time fee (37 C.F.R. 1.136 and 1.17)
 - iii. ☐ Other _____
 - b. ☐ Check in the amount of \$ _____ enclosed..
 - c. ☐ Payment by credit card (Form PTO-2038 enclosed)

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT REQUIRED

Name (Printed/Type)	Michael P. Noonan	Reg. No.	42,038
Signature	<i>[Signature]</i>	Date	DECEMBER 3, 2003

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail EV 322113988 US in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 to the U. S. Patent and Trademark Office on:

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SC12206MP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S) Man Hon Cheng *et al.* GROUP ART UNIT: 2827
APPLN. NO.: 10/092,683 EXAMINER: James M. Mitchell
FILED: March 6, 2002
TITLE: MULTI-ROW LEADFRAME

Certificate of Transmission under 37 CFR 1.8

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facsimile transmitted to the Patent and Trademark
Office

on December 3, 2003

Patricia Parks
Patricia Parks

SUBMISSION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Submission is submitted with an attached Request for Continued
Examination within one month of the Advisory Action mailed November 3, 2003 in the
above-identified patent application.

REMARKS

Claims 1-5 and 8-17 are currently pending. Reconsideration and allowance of the claims are respectfully requested.

Claims 1-5, 8, 9 and 11-14 stand rejected under 35 U.S.C. §102 as being anticipated by Osada. An earlier Office Action states that the small, spaced projections 25₁ extending from the paddle ring 25 terminate in a first row of terminals and that the leads 28 form a second row of terminals. Applicants respectfully traverse this rejection.

The present application is directed to a multi-row leadframe. The leadframe includes a first row of terminals that, prior to singulation, are connected to and extend outwardly from an outer perimeter of a paddle ring. A second row of terminals surrounds the first row of terminals. The terminals of the second row are connected to a connection bar (prior to singulation). The first row of terminals is also connected to the connection bar at a corner thereof. The paddle ring may include inner and/or outer projections that help mechanically lock the paddle with an encapsulant (see Specification, Para. 29).

FIGS. 2 and 3 show the leadframe with the first row of terminals 32 singulated from the paddle ring 22 and the second row of terminals 34 singulated from the connection bar 78 (FIGS. 9 and 10). FIGS. 9-10 show the leadframe prior to singulation (separation of the first row of terminals from the paddle ring and separation of the second row of terminals from the connection bar).

Referring again to Osada, the projections 25₁ that extend outwardly from the paddle ring 25 of Osada are not terminals or leads. Rather, as explained in the Osada Abstract, the projections fit between leads and are provided for the purpose of preventing resin bleeding during molding operation. The Examiner indicates that “any metallic material capable of permitting electrical interconnection is a terminal” and that the Osada protrusions are conductive, and are therefore terminals. However, using the term “terminal” so broadly would seem to make any metal element of a structure a “terminal,” thereby removing meaning from the very word “terminal” by equating it with “metal.” Such a definition ignores the interconnectional nature of the “terminal” structure, which interconnection is not taught by Osada. Thus, to equate the projections to the first row of

terminals of the present invention is improper because it ignores the teaching of Osada, the projections 36, 28 of the present application, and the even definition cited by the Examiner.

Furthermore, to say that the leads 28 of Osada form a second row of terminals is incorrect too. The leads 28 form the only real "row" of terminals around the paddle ring 25 of Osada. Finally, even if the leads 28 could be equated with the second row of terminals of the present invention, the leads 28 extend outwardly from the ring, whereas the outer row of terminals of the present invention extend toward the paddle ring from a connection bar 78 (FIG. 10). Because Osada discloses neither two rows of terminals nor a connection bar, and for the other reasons discussed above, independent claims 1 and 12 are allowable over Osada.

Claims 2-5 and 8-11 depend from independent claim 1 and are allowable for at least this reason. Claims 13-17 depend from independent claim 12 and are allowable for at least this reason.

In view of the foregoing remarks, it is respectfully submitted that the present application, including claims 1-5 and 8-17, is in condition for allowance and such action is respectfully solicited.

Respectfully submitted,

SEND CORRESPONDENCE TO:

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By: _____



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